

Electronic Acknowledgement Receipt

EFS ID:	8573291
Application Number:	10809538
International Application Number:	
Confirmation Number:	6148
Title of Invention:	Interference and noise estimation in an OFDM system
First Named Inventor/Applicant Name:	Arak Sutivong
Customer Number:	23696
Filer:	Jeffrey D. Jacobs/Gina Golia
Filer Authorized By:	Jeffrey D. Jacobs
Attorney Docket Number:	030226
Receipt Date:	11-OCT-2010
Filing Date:	24-MAR-2004
Time Stamp:	13:31:48
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$940
RAM confirmation Number	8942
Deposit Account	170026
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Continued Examination (RCE)	030226_2010-10-06_RCE.pdf	36289 7a6805a2505d9818f37aca151a18c2d40be	no	3

Warnings:

This is not a USPTO supplied RCE SB30 form.

Information:

2	030226_2010-10-06_AMD.pdf	159551	yes	22
		0e46dc93ae014e4bf42ed4801cb4cf7103 32d9f8		
		Multipart Description/PDF files in .zip description		
		Document Description	Start	End
		Amendment Submitted/Entered with Filing of CPA/RCE	1	2
		Claims	3	10
		Applicant Arguments/Remarks Made in an Amendment	11	22

Warnings:

Information:

3	Information Disclosure Statement (IDS) Filed (SB/08)	030226_2010-10-06_IDS.pdf	178849	no	11
			c01eda5e72ea1abf0b165dc1fd536fe1245 4a32		

Warnings:

Information:

This is not an USPTO supplied IDS fillable form

4	Foreign Reference	CN_EP_REF5.pdf	22577315	no	110
			2fd30ac0fbca204003d4add722567a5e0e 0198		

Warnings:

Information:

5	Foreign Reference	WO_REF5_1.pdf	24128583	no	426
			04b9d0959864-6a5d8126a139648e9a139 625a0		

Warnings:

Information:

6	Foreign Reference	KR_JP_RU_REFS.pdf	4874663 563e667901a/8f6815b/75523a9f1b75a/09 a8fa	no	116
---	-------------------	-------------------	---	----	-----

Warnings:**Information:**

7	Foreign Reference	WO_REFS_2.pdf	12698896 857fb6cc32c99fb/256ac52e413cb0ca 5f73	no	166
---	-------------------	---------------	--	----	-----

Warnings:**Information:**

8	NPL Documents	3GPP_TS_25_211_ESI_TS_YEAR_2002_PGS_1_52.PDF	2269397 2bb695dfe96616e45d4b611ac02af044a cc66	no	53
---	---------------	--	--	----	----

Warnings:**Information:**

9	NPL Documents	3G_TS_25_212_V5_0_0_2002.PDF	1858851 646ef95978e42771346/72023657261c07 92a	no	74
---	---------------	------------------------------	--	----	----

Warnings:**Information:**

10	NPL Documents	3SPREADING_AND_MODULATION_FDD_YEAR_2002.PDF	2308933 9985bc9abb14c7849545b90517a9fc4065 a49fa	no	30
----	---------------	---	--	----	----

Warnings:**Information:**

11	NPL Documents	PHYSICAL_LAYER_PROCEDURES_YEAR_2002.PDF	2765512 3e900e665fb7d1f4749b9ff15b739fb01 9be	no	56
----	---------------	---	---	----	----

Warnings:**Information:**

12	NPL Documents	3GPP2_C_S0024_XP002206456_YEAR_2000.PDF	7337970 011d794a428e31bf002ac65cde70fb2d 56e7	no	172
----	---------------	---	---	----	-----

Warnings:**Information:**

13	NPL Documents	ALOGRITHM_FOR_REVERSE_TRAFFIC_CHANNEL_NOV_2001.PDF	197729 9103d32fa5a2e70515b48b1703451fb44 965	no	5
----	---------------	--	--	----	---

Warnings:**Information:**

14	NPL Documents	GYUNG_HO_HWANG_VOL_3_PP_1721_1725_YEAR_1997.PDF	421007 8a1cd0f3474e31ac30ea42c3792a63c1c c2c	no	6
----	---------------	---	--	----	---

Warnings:**Information:**

15	NPL Documents	PCT_US04_004791_2005_02_2 7_IPRP.PDF	163757 39d91b40a3e96c21af8a1a2f55410c2c5c7e 4f3a	no	3
----	---------------	---	--	----	---

Warnings:**Information:**

16	NPL Documents	30525WO_2006_07_20_IPRP. PDF	158928 45e1e0d726aa143c9e771d71a5462100 81e4	no	3
----	---------------	---------------------------------	--	----	---

Warnings:**Information:**

17	NPL Documents	030240WO_2008_05_12_IPER. PDF	4692009 a515cb156fc1c1c1c9a0ff931646a6fc3c3a a6f9	no	5
----	---------------	----------------------------------	---	----	---

Warnings:**Information:**

18	NPL Documents	030244WO_2005_12_22_IPRP. PDF	570133 c1fb993d1dc0f94d29a17d85c1b90fbca 8f5a	no	3
----	---------------	----------------------------------	---	----	---

Warnings:**Information:**

19	NPL Documents	030243WO_2007_01_17_IPRP. PDF	377957 c5d9465b98c27513db23f513ed1075c144c b4fb3	no	6
----	---------------	----------------------------------	--	----	---

Warnings:**Information:**

20	NPL Documents	030280WO_2006_07_06_IPRP. PDF	258350 5ec2ca2a1e7c91b1941852e9b9917ff2 e4fc	no	5
----	---------------	----------------------------------	--	----	---

Warnings:**Information:**

21	NPL Documents	030245WO_2006_04_19_IPRP. PDF	453172 fecc040415bca3fc39e1aa941be5267e1a2 5eef	no	7
----	---------------	----------------------------------	---	----	---

Warnings:**Information:**

22	NPL Documents	PCT_US04_004786_2006_09_2 9_IPRP.PDF	449911 9b053a236c96d9fb8b63944dc7c81ce725 31e9	no	6
----	---------------	---	--	----	---

Warnings:**Information:**

23	NPL Documents	030224WO_2006_10_02_IPRP. PDF	199506 706a26f6c2ae9aee99253e8fb625726fda 4157d	no	3
----	---------------	----------------------------------	---	----	---

Warnings:**Information:**

24	NPL Documents	NPL_1.pdf	8184316 ea98f94f6bb823a8e60252c02ebf7f5a0 b934	no	34
----	---------------	-----------	--	----	----

Warnings:**Information:**

25	NPL Documents	030525WO_2004_12_22_WO.PDF	519569 81e67e5d80117e0d494bd07d8105 detail	no	9
----	---------------	----------------------------	--	----	---

Warnings:**Information:**

26	NPL Documents	ISR_PCT_US04_004786_2005-02-14.PDF	100592 1=4121250900795-1841-d162-1fb425e08 b865	no	2
----	---------------	------------------------------------	---	----	---

Warnings:**Information:**

27	NPL Documents	ISR_PCT_US04_006759_ISA_EPO.pdf	4929311 cda0476a130712ee4fc8-184e7b2f266dc39 64ca	no	12
----	---------------	---------------------------------	---	----	----

Warnings:

The page size in the PDF is too large. The pages should be 8.5 x 11 or A4. If this PDF is submitted, the pages will be resized upon entry into the Image File Wrapper and may affect subsequent processing

Information:

28	NPL Documents	TIA_EIA_XP002145331_FEB_1999_PART_2.PDF	17024425 d5e5ed776280c46d2bb796599e147a8c 379ea	no	301
----	---------------	---	---	----	-----

Warnings:**Information:**

29	NPL Documents	NADAGOPAL_SERVICE_DIFFERENTIATION_YEAR_1999.PDF	1802602 394da1a775e2aa7be6d8d9473b7f83fbff 19c	no	10
----	---------------	---	--	----	----

Warnings:**Information:**

30	NPL Documents	TELECOMMUNICATIONS_INDUSTRY_ASSOCIATION_PP_145_YEAR_1998.PDF	13263055 00076e51f7d9a591bb02da1466e5eca180 6c92	no	309
----	---------------	--	--	----	-----

Warnings:**Information:**

31	NPL Documents	TIA_EIA_IS_856_1_ADDENDUM_YEAR_2002.PDF	7319912 7a0f53cd9919846-6ad42ba4505eafedecf d4	no	598
----	---------------	---	--	----	-----

Warnings:**Information:**

32	NPL Documents	PCT_US04_004791_2004_11_18_ISR.PDF	232907 1fe66a78a1324e4a2bc9102a6c5d412ff141 13a1	no	5
----	---------------	------------------------------------	--	----	---

Warnings:						
Information:						
33	NPL Documents	030245WO_2004_09_13_WO.PDF	288503 d89021e1d592d86f5b3e44/d156a1d3d2 d772c	no	6	
Warnings:						
Information:						
34	NPL Documents	030223WO_2004_11_06_WO.PDF	1530165 720aa95a8466/c2e598f74d4f179b695fe 23a3	no	8	
Warnings:						
Information:						
35	NPL Documents	030280WO_2004_27_09_ISR.PDF	142757 62547b4099e261buc771/4c6e@02b3 7a113	no	3	
Warnings:						
Information:						
36	NPL Documents	ISR_PCT_US04_004786_ISA.pdf	100592 1a12125009877b9b84851d2e0b425eeaf bf465	no	2	
Warnings:						
Information:						
37	NPL Documents	PCT_US04_04669_2004_07_27_WO.PDF	281039 ab2751b7c35ac10ec965a40fb77d3 706ce	no	6	
Warnings:						
Information:						
38	NPL Documents	ISR_PCT_US04_004788_ISA_EPO.PDF	124691 6cb6635fb794d284c603bdc6cb1ff8bb74e 8f96	no	3	
Warnings:						
Information:						
39	NPL Documents	030224WO_2005_03_07_WO.PDF	485318 d49237457cd0217c7b6640ff70a7234653ff 7956	no	10	
Warnings:						
Information:						
40	NPL Documents	030228WO_2005_08_18_WO.PDF	227709 d8edde9d952ed2d755387cc4bbbd3d15449 c545c0	no	5	
Warnings:						
Information:						
41	NPL Documents	YOUNG_JOO_SONG_ET_AL_VOL_2_PGS_1334_1338_YEAT_2003.PDF	3097350 b998db98b6c358466e4b2a991a419cf209c 8f12	no	5	

Warnings:					
Information:					
42	NPL Documents	YOUNG_UK_CHUNG_ET_AL_V OL_1_OF_4_PAGES_820_823 YEAR_2001.PDF	406530 ea89cc5611522769d786/8095c27666f70e7 215d4	no	4
Warnings:					
Information:					
43	NPL Documents	TIA_EIA_95_YEAR_1999_new. pdf	21419358 a0e4c701a14296d490c5ad2578b041e7 7c92	no	602
Warnings:					
Information:					
44	NPL Documents	030226_SKLAR_REF.pdf	2931022 711d7413dc7260ee35ee063b62053f70 52ee	no	4
Warnings:					
Information:					
45	Fee Worksheet (PTO-875)	fee-info.pdf	32153 B1b621dd4839300301ba52641a083ef3b6d 6c7c2	no	2
Warnings:					
Information:					
Total Files Size (in bytes):				173581144	
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p>New Applications Under 35 U.S.C. 111 If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p>National Stage of an International Application under 35 U.S.C. 371 If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p>New International Application Filed with the USPTO as a Receiving Office If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					